Age of youngest borrower	Loan period 1 (in years)	[Optional loan period (in years)]	Loan period 2 (life expectancy) (in years)	Loan period 3 (in years)
85	2	[3]	6	8
86	2	[3]	6	8
87	2	[3]	6	8
88	2	[3]	5	7
89	2	[3]	5	7
90	2	[3]	5	7
91	2	[2]	4	6
92	2	[2]	4	6
93	2	[2]	4	6
94	2	[2]	4	6
95 and over	2	[2]	3	4

APPENDIX M1 TO PART 1026—REPAYMENT DISCLOSURES

(a) *Definitions.* (1) ''Promotional terms'' means terms of a cardholder's account that will expire in a fixed period of time, as set forth by the card issuer.

(2) ''Deferred interest or similar plan'' means a plan where a consumer will not be obligated to pay interest that accrues on balances or transactions if those balances or transactions are paid in full prior to the expiration of a specified period of time.

(b) *Calculating minimum payment repayment estimates.* (1) *Minimum payment formulas.* When calculating the minimum payment repayment estimate, card issuers must use the minimum payment formula(s) that apply to a cardholder's account. If more than one minimum payment formula applies to an account, the issuer must apply each minimum payment formula to the portion of the balance to which the formula applies. In this case, the issuer must disclose the longest repayment period calculated. For example, assume that an issuer uses one minimum payment formula to calculate the minimum payment amount for a general revolving feature, and another minimum payment formula to calculate the minimum payment amount for special purchases, such as a ''club plan purchase.'' Also, assume that based on a consumer's balances in these features and the annual percentage rates that apply to such features, the repayment period calculated pursuant to this appendix for the general revolving feature is 5 years, while the repayment period calculated for the special purchase feature is 3 years. This issuer must disclose 5 years as the repayment period for the entire balance to the consumer. If any promotional terms related to payments apply to a cardholder's account, such as a deferred billing plan where minimum payments are not required for 12 months, card issuers may assume no promotional terms apply to the account. For example, assume that a promotional minimum payment of $10 applies to an account for six months, and then after the promotional period expires, the minimum payment is calculated as 2 percent of the outstanding balance on the account or $20 whichever is greater. An issuer may assume during the promotional period that the $10 promotional minimum payment does not apply, and instead calculate the minimum payment disclosures based on the minimum payment formula of 2 percent of the outstanding balance or $20, whichever is greater. Alternatively, during the promotional period, an issuer in calculating the minimum payment repayment estimate may apply the promotional minimum payment until it expires and then apply the minimum payment formula that applies after the promotional minimum payment expires. In the above example, an issuer could calculate the minimum payment repayment estimate during the promotional period by applying the $10 promotional minimum payment for the first six months and then applying the 2 percent or $20 (whichever is greater) minimum payment formula after the promotional minimum payment expires. In calculating the minimum payment repayment estimate during a promotional period, an issuer may not assume that the promotional minimum payment will apply until the outstanding balance is paid off by making only minimum payments (assuming the repayment estimate is longer than the promotional period). In the above example, the issuer may not calculate the minimum payment repayment estimate during the promotional period by assuming that the $10 promotional minimum payment will apply beyond the six months until the outstanding balance is repaid.

(2) *Annual percentage rate.* When calculating the minimum payment repayment estimate, a card issuer must use the annual percentage rates that apply to a cardholder's account, based on the portion of the balance to which the rate applies. If any promotional terms related to annual percentage rates apply to a cardholder's account, other than deferred interest or similar plans, a card issuer in calculating the minimum payment repayment estimate during the promotional period must apply the promotional annual percentage rate(s) until it expires and then must apply the rate that applies after the

promotional rate(s) expires. If the rate that applies after the promotional rate(s) expires is a variable rate, a card issuer must calculate that rate based on the applicable index or formula. This variable rate is accurate if it was in effect within the last 30 days before the minimum payment repayment estimate is provided. For deferred interest plans or similar plans, if minimum payments under the deferred interest or similar plan will repay the balances or transactions in full prior to the expiration of the specified period of time, a card issuer must assume that the consumer will not be obligated to pay the accrued interest. This means, in calculating the minimum payment repayment estimate, the card issuer must apply a zero percent annual percentage rate to the balance subject to the deferred interest or similar plan. If, however, minimum payments under the deferred interest plan or similar plan may not repay the balances or transactions in full prior to the expiration of the specified period of time, a card issuer must assume that a consumer will not repay the balances or transactions in full prior to the expiration of the specified period of time and thus the consumer will be obligated to pay the accrued interest. This means, in calculating the minimum payment repayment estimate, the card issuer must apply the annual percentage rate at which interest is accruing to the balance subject to the deferred interest or similar plan.

(3) *Beginning balance.* When calculating the minimum payment repayment estimate, a card issuer must use as the beginning balance the outstanding balance on a consumer's account as of the closing date of the last billing cycle. When calculating the minimum payment repayment estimate, a card issuer may round the beginning balance as described above to the nearest whole dollar.

(4) *Assumptions.* When calculating the minimum payment repayment estimate, a card issuer for each of the terms below, may either make the following assumption about that term, or use the account term that applies to a consumer's account.

(i) Only minimum monthly payments are made each month. In addition, minimum monthly payments are made each month—for example, a debt cancellation or suspension agreement, or skip payment feature does not apply to the account.

(ii) No additional extensions of credit are obtained, such as new purchases, transactions, fees, charges or other activity. No refunds or rebates are given.

(iii) The annual percentage rate or rates that apply to a cardholder's account will not change, through either the operation of a variable rate or the change to a rate, except as provided in paragraph (b)(2) of this Appendix. For example, if a penalty annual percentage rate currently applies to a consumer's account, a card issuer may assume that the penalty annual percentage rate will apply to the consumer's account indefinitely, even if the consumer may potentially return to a non-penalty annual percentage rate in the future under the account agreement.

(iv) There is no grace period.

(v) The final payment pays the account in full (*i.e.,* there is no residual finance charge after the final month in a series of payments).

(vi) The average daily balance method is used to calculate the balance.

(vii) All months are the same length and leap year is ignored. A monthly or daily periodic rate may be assumed. If a daily periodic rate is assumed, the issuer may either assume (1) a year is 365 days long, and all months are 30.41667 days long, or (2) a year is 360 days long, and all months are 30 days long.

(viii) Payments are credited either on the last day of the month or the last day of the billing cycle.

(ix) Payments are allocated to lower annual percentage rate balances before higher annual percentage rate balances.

(x) The account is not past due and the account balance does not exceed the credit limit.

(xi) When calculating the minimum payment repayment estimate, the assumed payments, current balance and interest charges for each month may be rounded to the nearest cent, as shown in appendix M2 to this part.

(5) *Tolerance.* A minimum payment repayment estimate shall be considered accurate if it is not more than 2 months above or below the minimum payment repayment estimate determined in accordance with the guidance in this appendix (prior to rounding described in §1026.7(b)(12)(i)(B) and without use of the assumptions listed in paragraph (b)(4) of this appendix to the extent a card issuer chooses instead to use the account terms that apply to a consumer's account). For example, assume the minimum payment repayment estimate calculated using the guidance in this appendix is 28 months (2 years, 4 months), and the minimum payment repayment estimate calculated by the issuer is 30 months (2 years, 6 months). The minimum payment repayment estimate should be disclosed as 2 years, due to the rounding rule set forth in §1026.7(b)(12)(i)(B). Nonetheless, based on the 30-month estimate, the issuer disclosed 3 years, based on that rounding rule. The issuer would be in compliance with this guidance by disclosing 3 years, instead of 2 years, because the issuer's estimate is within the 2 months' tolerance, prior to rounding. In addition, even if an issuer's estimate is more than 2 months above or below the minimum payment repayment estimate calculated using the guidance in this Appendix, so long as the issuer discloses the

correct number of years to the consumer based on the rounding rule set forth in §1026.7(b)(12)(i)(B), the issuer would be in compliance with this guidance. For example, assume the minimum payment repayment estimate calculated using the guidance in this appendix is 32 months (2 years, 8 months), and the minimum payment repayment estimate calculated by the issuer is 38 months (3 years, 2 months). Under the rounding rule set forth in §1026.7(b)(12)(i)(B), both of these estimates would be rounded and disclosed to the consumer as 3 years. Thus, if the issuer disclosed 3 years to the consumer, the issuer would be in compliance with this guidance even though the minimum payment repayment estimate calculated by the issuer is outside the 2 months' tolerance amount.

(c) *Calculating the minimum payment total cost estimate.* When calculating the minimum payment total cost estimate, a card issuer must total the dollar amount of the interest and principal that the consumer would pay if he or she made minimum payments for the length of time calculated as the minimum payment repayment estimate under paragraph (b) of this Appendix. The minimum payment total cost estimate is deemed to be accurate if it is based on a minimum payment repayment estimate that is within the tolerance guidance set forth in paragraph (b)(5) of this Appendix. For example, assume the minimum payment repayment estimate calculated using the guidance in this appendix is 28 months (2 years, 4 months), and the minimum payment repayment estimate calculated by the issuer is 30 months (2 years, 6 months). The minimum payment total cost estimate will be deemed accurate even if it is based on the 30 month estimate for length of repayment, because the issuer's minimum payment repayment estimate is within the 2 months' tolerance, prior to rounding. In addition, assume the minimum payment repayment estimate calculated under this appendix is 32 months (2 years, 8 months), and the minimum payment repayment estimate calculated by the issuer is 38 months (3 years, 2 months). Under the rounding rule set forth in §1026.7(b)(12)(i)(B), both of these estimates would be rounded and disclosed to the consumer as 3 years. If the issuer based the minimum payment total cost estimate on 38 months (or any other minimum payment repayment estimate that would be rounded to 3 years), the minimum payment total cost estimate would be deemed to be accurate.

(d) *Calculating the estimated monthly payment for repayment in 36 months.* (1) *In general.* When calculating the estimated monthly payment for repayment in 36 months, a card issuer must calculate the estimated monthly payment amount that would be required to pay off the outstanding balance shown on the statement within 36 months, assuming the consumer paid the same amount each month for 36 months.

(2) *Weighted annual percentage rate.* In calculating the estimated monthly payment for repayment in 36 months, an issuer may use a weighted annual percentage rate that is based on the annual percentage rates that apply to a cardholder's account and the portion of the balance to which the rate applies, as shown in appendix M2 to this part. If a card issuer uses a weighted annual percentage rate and any promotional terms related to annual percentage rates apply to a cardholder's account, other than deferred interest plans or similar plans, in calculating the weighted annual percentage rate, the issuer must calculate a weighted average of the promotional rate and the rate that will apply after the promotional rate expires based on the percentage of 36 months each rate will apply, as shown in appendix M2 to this part. For deferred interest plans or similar plans, if minimum payments under the deferred interest or similar plan will repay the balances or transactions in full prior to the expiration of the specified period of time, if a card issuer uses a weighted annual percentage rate, the card issuer must assume that the consumer will not be obligated to pay the accrued interest. This means, in calculating the weighted annual percentage rate, the card issuer must apply a zero percent annual percentage rate to the balance subject to the deferred interest or similar plan. If, however, minimum payments under the deferred interest plan or similar plan may not repay the balances or transactions in full prior to the expiration of the specified period of time, a card issuer in calculating the weighted annual percentage rate must assume that a consumer will not repay the balances or transactions in full prior to the expiration of the specified period of time and thus the consumer will be obligated to pay the accrued interest. This means, in calculating the weighted annual percentage rate, the card issuer must apply the annual percentage rate at which interest is accruing to the balance subject to the deferred interest or similar plan. A card issuer may use a method of calculating the estimated monthly payment for repayment in 36 months other than a weighted annual percentage rate, so long as the calculation results in the same payment amount each month and so long as the total of the payments would pay off the outstanding balance shown on the periodic statement within 36 months.

(3) *Assumptions.* In calculating the estimated monthly payment for repayment in 36 months, a card issuer must use the same terms described in paragraph (b) of this Appendix, as appropriate.

(4) *Tolerance.* An estimated monthly payment for repayment in 36 months shall be considered accurate if it is not more than 10 percent above or below the estimated monthly payment for repayment in 36 months determined in accordance with the guidance in

this appendix (after rounding described in §1026.7(b)(12)(i)(F)(*1*)(*i*)).

(e) *Calculating the total cost estimate for repayment in 36 months.* When calculating the total cost estimate for repayment in 36 months, a card issuer must total the dollar amount of the interest and principal that the consumer would pay if he or she made the estimated monthly payment calculated under paragraph (d) of this appendix each month for 36 months. The total cost estimate for repayment in 36 months shall be considered accurate if it is based on the estimated monthly payment for repayment in 36 months that is calculated in accordance with paragraph (d) of this appendix.

(f) *Calculating the savings estimate for repayment in 36 months.* When calculating the savings estimate for repayment in 36 months, if a card issuer chooses under §1026.7(b)(12)(i) to round the disclosures to the nearest whole dollar when disclosing them on the periodic statement, the card issuer must calculate the savings estimate for repayment in 36 months by subtracting the total cost estimate for repayment in 36 months calculated under paragraph (e) of this appendix (rounded to the nearest whole dollar) from the minimum payment total cost estimate calculated under paragraph (c) of this appendix (rounded to the nearest whole dollar). If a card issuer chooses under §1026.7(b)(12)(i), however, to round the disclosures to the nearest cent when disclosing them on the periodic statement, the card issuer must calculate the savings estimate for repayment in 36 months by subtracting the total cost estimate for repayment in 36 months calculated under paragraph (e) of this appendix (rounded to the nearest cent) from the minimum payment total cost estimate calculated under paragraph (c) of this appendix (rounded to the nearest cent). The savings estimate for repayment in 36 months shall be considered accurate if it is based on the total cost estimate for repayment in 36 months that is calculated in accordance with paragraph (e) of this appendix and the minimum payment total cost estimate calculated under paragraph (c) of this appendix.

APPENDIX M2 TO PART 1026—SAMPLE CALCULATIONS OF REPAYMENT DISCLOSURES

The following is an example of how to calculate the minimum payment repayment estimate, the minimum payment total cost estimate, the estimated monthly payment for repayment in 36 months, the total cost estimate for repayment in 36 months, and the savings estimate for repayment in 36 months using the guidance in appendix M1 to this part where three annual percentage rates apply (where one of the rates is a promotional APR), the total outstanding balance is $1000, and the minimum payment formula is 2 percent of the outstanding balance or $20, whichever is greater. The following calculation is written in SAS code.

```
  data one;
/*
Note:
pmt01 = estimated monthly payment to repay balance in 36 months sumpmts36 = sum of payments for repayment in 36 months
month = number of months to repay total balance if making only minimum payments
pmt = minimum monthly payment
fc = monthly finance charge
sumpmts = sum of payments for minimum payments
*/
* inputs;
* annual percentage rates; apr1 = 0.0; apr2 = 0.17; apr3 = 0.21; * insert in ascending order;
* outstanding balances; cbal1 = 500; cbal2 = 250; cbal3 = 250;
* dollar minimum payment; dmin = 20;
* percent minimum payment; pmin = 0.02; * (0.02 + perrate);
* promotional rate information;
* last month for promotional rate; expm = 6; * = 0 if no promotional rate;
* regular rate; rrate = .17; * = 0 if no promotional rate;
array apr(3); array perrate(3);
days = 365/12; * calculate days in month;
* calculate estimated monthly payment to pay off balances in 36 months, and total cost of repaying balance in 36 months;
array xperrate(3);
do I = 1 to 3;
xperrate(I) = (apr(I)/365) * days; * calculate periodic rate;
end;
if expmgt 0 then xperrate1a = (expm/36) * xperrate1 + (1-(expm/36)) * (rrate/365) * days; else xperrate1a = xperrate1;
tbal = cbal1 + cbal2 + cbal3;
perrate36 = (cbal1 * xperrate1a + cbal2 * xperrate2 + cbal3 * xperrate3)/(cbal1 + cbal2 + cbal3);
* months to repay; dmonths = 36;
* initialize counters for sum of payments for repayment in 36 months; Sumpmts36 = 0;
  pvaf = (1-(1 + perrate36) ** -dmonths)/
perrate36; * calculate present value of annuity factor;
pmt01 = round(tbal/pvaf,0.01); * calculate monthly payment for designated number of months;
sumpmts36 = pmt01 * 36;
* calculate time to repay and total cost of making minimum payments each month;
* initialize counter for months, and sum of payments;
month = 0;
sumpmts = 0;
do I = 1 to 3;
```